

Amended Claim Sheet

(Mark-up Version)

24. (Twice Amended) [A method for proportioning foam concentrate into a  
5 variable flow fire fighting fluid conduit, comprising:] The method of claim 39 that  
includes

placing a pressurized fire fighting foam concentrate conduit in fluid  
communication with a pressurized fire fighting fluid conduit remote from a fire fighting  
fluid discharge nozzle; and

10 varying a first orifice in the fire fighting fluid conduit to maintain a pre-  
determined pressure drop in said conduit of a value less than a fire fighting fluid  
discharge pressure drop[; and

varying in concert with the first orifice a second orifice in the foam concentrate  
conduit such that foam concentrate is proportioned into the fire fighting fluid].

15 33. (Twice Amended) [Apparatus for proportioning fire fighting foam  
concentrate into a variable flow fire fighting fluid conduit, comprising:] The apparatus of  
claim 44 that includes

a pressurized fire fighting foam concentrate conduit in fluid communication with  
a pressurized fire fighting fluid conduit remote from a fire fighting fluid discharge  
20 nozzle; and

a pilot valve in fluid communication with the fire fighting fluid conduit,  
structured to vary a first orifice in the fire fighting fluid conduit to maintain a pre-  
determined pressure drop in said conduit of a value less than a fire fighting fluid  
discharge pressure drop[; and

25 a second orifice in the foam concentrate conduit adapted to vary in concert with  
the first orifice such that foam concentrate is proportioned into the fire fighting fluid].

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Substitute Claim Sheet

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C1  
24. (Twice Amended) The method of claim 39 that includes placing a pressurized fire fighting foam concentrate conduit in fluid communication with a pressurized fire fighting fluid conduit remote from a fire fighting fluid discharge nozzle; and varying a first orifice in the fire fighting fluid conduit to maintain a pre-determined pressure drop in said conduit of a value less than a fire fighting fluid discharge pressure drop.

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C2  
33. (Twice Amended) The apparatus of claim 44 that includes a pressurized fire fighting foam concentrate conduit in fluid communication with a pressurized fire fighting fluid conduit remote from a fire fighting fluid discharge nozzle; and a pilot valve in fluid communication with the fire fighting fluid conduit, structured to vary a first orifice in the fire fighting fluid conduit to maintain a pre-determined pressure drop in said conduit of a value less than a fire fighting fluid discharge pressure drop.

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